

AGRI KS 32

NPKS 0-0-32-8



Readily available, low salt index, chloride & nitrate free potassium with sulphur for effective utilization in all soils types.

BENEFITS OF AGRI KS 32

- Ideal high potassium source for both, soil and foliar applications with rapid rainfast properties on the foliage.
- Thiosulfate sulfur gets converted into the active sulphate form within the plant to help in oil and protein biosynthesis in crops such as canola and others.
- Provides highly balanced potassium and sulphur at 4 : 1 ratio favoring more potassium than sulfur compared to relatively insoluble potassium sulfate.
- Agronomically plant's K requirement exceeds Sulphur.
- Effectively replaces potassium nitrate to supply potassium to the crops especially in situations requiring least amount of nitrate nitrogen during fruiting.

ABOUT AGRI KS 32

Potassium optimizes water use efficiency and is the key nutrient to improve crop photosynthesis. Potassium deficiencies are common in the broadacre crops. Early applications of potassium are beneficial to cereal yields. Potassium may also assist with frost tolerance in these crops. The Sulphur in AGRI KS 32 improves oil production in oilseed crops. Most of the sulphur in the soil is present in organic matter as proteins and other compounds and is not immediately available to crops.

Potassium in horticultural crops helps in maximizing sugar production and its translocation into the fruit. Crops such as strawberries and grapes require nitrate-free potassium at fruiting in order to get fruits with high brix levels and improved shelf life. Potato requirements for potassium exceeds nitrogen levels from early tuber development to tuber bulking, influencing the specific gravity and skin characteristics of the tubers.

In high sodium soils, application of chloride free AGRI KS 32 increases the potassium to sodium ratio favouring potassium uptake by the roots. The thiosulfate component dissociate into sulphate and sulphur ions in soil. Sulphur ions react with soil water in presence of thiobacillus bacteria to reduce alkalinity in the root zone and help liberate trace elements.

Unlike potassium nitrate, AGRI KS 32 should never be applied with calcium and acids. It can be co-applied with Supa-APP. Its staggered fertigation rates depend upon the seasonal potassium requirement of the crop.

AGRI KS32

CHARACTERISTICS: pH: 8.0 – 9.0; Specific Gravity: 1.45– 1.47

AUS Analysis W/W%: 32.0% K, 8.0% S.

International Analysis W/W%: 27.72% (K₂O), 5.6% S.

APPLICATION

BROADACRE: Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat & Pasture crops. **Foliar: 3 – 7 L/ha** in a minimum of 60 – 140L final spray volume. Apply from mid tillering or late cabbage stage or as required. For cotton: Apply from first flowering until 2 weeks before harvest.

DECIDUOUS TREE CROPS: Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Foliar: 3 – 5L/ha** in a minimum of 450 – 750L final spray volume. **Fertigation: 15 – 30 L/ha.** Apply with compatible crop protection sprays. Fertigation as required. **DO NOT apply to stone fruit foliage.** Best applied via fertigation or post harvest to increase potassium levels.

EVERGREEN TREE CROPS: Such as Avocado, Citrus, Macadamia, Lychee. **Foliar: 2 – 4L/ha** in a minimum of 300 – 600L final spray volume. **Fertigation: 10 – 20 L/ha.** Apply to recently hardened spring flush or during active growing period, fruit fill and post harvest.

FRUITING VEGETABLES: Such as Capsicum, Cucurbits, Eggplant, Tomatoes (field), Watermelons, Pumpkins. **Foliar: 3 – 5L/ha** in a minimum of 300 – 500L final spray volume. **Fertigation: 15 – 30 L/ha.** Apply during fruit fill to harvest, or as required.

LEAFY VEGETABLES: Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauliflower, Kale and Herbs. **Foliar: 3 – 5L/ha** in a minimum of 300 – 500L final spray volume. **Fertigation: 5 – 10 L/ha.** Foliar spray 10 – 14 days post transplant. Repeat at 7 – 14 day intervals, dependent on severity of deficiency.

ROOT VEGETABLES: Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar: 3 – 5L/ha** in a minimum of 450 – 750L final spray volume. **Fertigation: 15 – 30 L/ha.** Apply as required to supply potassium with no nitrogen or chloride. For Potatoes: Apply at planting and then from hooking until harvest.

VINE and BERRY CROPS: Such as Blueberry, Strawberry, Raspberry, Wine and Table Grapes. **Foliar: 3 – 5L/ha** in a minimum of 300 – 500L final spray volume. **Fertigation: 15 – 20 L/ha.** First application: shoots 10 cm long. Second application: 5% flowering. Bunch finisher for table grapes. Apply from first flowering until fruit maturity.

Fertigation rates are dependent on seasonal nutrient demand.

Agitate contents well prior to application.

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NOTE: The suggested rates of application of the Product are designed for typical Australian conditions and should be used as a guide only. Each farmer's climatic conditions, water quality, soil types, application processes and practices may differ and therefore necessitate corrections to ensure optimum results. Good agricultural practice requires that application be avoided under extreme weather conditions such as temperatures over 28°C, high humidity, frost, rain etc. It is recommended that when applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total spray. Where possible, it is recommended that regular leaf tests are conducted to determine actual plant nutrient availability during each growth cycle. Soil tests at least once per year are essential.